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[Continued on next page]

(54) Title: PLANT PRODUCTION OF IMMUNOGLOBULINS WITH REDUCED FUCOSYLATION

m/z theor.	so/z /obs.	Glycan (glycopeptide)	Comment
		ories (Bricopepular)	Comment
1189.51	1189.47	no glycans	Asp with min- milt of +1 Du wher PRGor-A Strong signal freament obs. 501 = 117846
1392.59	1392.54	N	reajor signal
1595.67	1595.6L	N2	**
1757.72	1757.83	N2H	minor
1889.76	ND	N2HX	ND
1903.78	1903.90	N2HXF	trace
1919.77	1919.90	N2H2	trace
2035.82	2035.95	N2HXF	•
2051.81	2051.95	N2H2X	•
2065.83	2065.96	N2H2F	•
2081.82	2081.95	N2H3	minor
2197.87	2197.99	N2H2XF	major signal
2213.86	2214.00	N2H3X	**
2227.88	2228.01	N2H3F	•
2243.87	2244.02	N2H4	•
2284.90	2285.03	N3H3	trace
2359.92	2360.06	N2FI3XF	Indor cignal
2375.91	2376.07	N2H4X	**
389.93	ND	N2H4F	ND
405.92	2406.07	NZHS	significant signal
521.97	2522.16	N2H4XF	and more and a signal
537.96	2538.34	N2H5X	trace
351.98	ND	N2HSF	ND
563.00	2563.16	N3H3XF	significant signal
	2568.18	N2H6	- Charles of State
	2684.22	N2H5XF	•
700.01	ND	N2H6X	ND
714.03	ND	N2H6F	ND
725.05	2725.24	N3H4XF	••
730.02	2730.22	N2H7	••
766.08	2766.26	N4H3XF	significant signal
892.07	2892.25	N2H8	nameran name
346.07	ND	N2H6XF	ND
362.06	ND	N2H7X	ND
376.08	ND	N2H7F	ND
	2928.32	N4H4F	
08.12	ND	N2H7XF	trace ND
54.12	3054 30	4 - m4 5 4 204 "	nu .

NOTE: all these glycans are removed from glycopeptides by PNGase-A treatment; for single N

* - S/N > 3-5, but <10
** - S/N > 10

- intense signal, but less intense than "m

(57) Abstract: This invention provides for the plant production of immunoglobulins, wherein at least a portion of the glycans attached to the immunoglobulins lack fucose. The invention also provides the constructs; plasmids; vectors; transformed plant cells, transformed plant calli, transformed plant tissues (e.g., leaves, seeds, tubers, etc.) and transformed whole plants used to produce such immunoglobulins; methods of producing the immunoglobulins; the immunoglobulins produced by the disclosed methods; and the use of such immunoglobulins.

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